

WHAT IS CLAIMED IS:

1. A projection type video display, comprising:
 - a first solid light source that emits a light in red;
 - a second solid light source that emits a light in green;
 - a third solid light source that emits a light in blue;
 - a display panel for receiving and modulating said lights in colors from said light sources;
 - a means for projecting a full color image light formed of said modulated lights in colors;
 - a light source adjustment means for adjusting an amount of emitted light of said solid light sources by controlling power supplied thereto on the basis of video signal information; and
 - a means for controlling a driving signal to each display panel so as to correspond to an adjustment of the amount of the emitted lights in respective colors.
2. A projection type video display according to claim 1, wherein each solid light source is formed of being provided with a plurality of solid light-emitting elements, and said light source adjustment means controls an amount of emitted light of each solid light source by controlling the number of pieces of light emission out of the plurality of solid light-emitting elements.
3. A projection type video display according to claim 1, wherein each solid light source is formed of being provided with a plurality of solid light-emitting elements, and said light source adjustment means adjusts an amount of emitted light of each solid light source by controlling power supplied to each solid light-emitting element.
4. A projection type video display according to claim 1, wherein each solid light source is formed of being provided with a plurality of solid light-emitting elements, said light

source adjustment means causes each solid light-emitting element to perform a pulse light-emission and adjusts an amount of emitted light of each solid light-emitting element by controlling a duty ratio of the pulse light-emission.

5. A projection type video display according to any one of claims 1 to 4, wherein the amount of emitted light of said solid light sources for respective colors is adjusted by controlling the power supplied thereto so as to obtain the highest value of respective colors in 1-frame video in a state where a value of a gradation of the display panel is the highest.

6. A projection type video display according to any one of claims 1 to 5, wherein a light in white obtained by combining lights in respective colors from respective light sources is guided to a single-panel full color display panel as said display panel.

7. A projection type video display according to any one of claims 1 to 5, wherein a light in white obtained by combining lights in respective colors from respective light sources is separated, and each of the lights in respective colors is guided to a red color-use display panel, a green color-use display panel, and a blue color-use display panel as said display panel, respectively.

8. A projection type video display according to any one of claims 1 to 5, wherein each of the lights in respective colors is guided to the red color-use display panel, the green color-use display panel, and the blue-color use display panel as the light in respective colors.